

REMARKS

Claims 1-28 were pending when an Office Action mailed September 23, 2005, rejected Claims 1-28 under 35 U.S.C. § 112, Claims 1-28 under 35 U.S.C. § 103. By way of this amendment, Applicant hereby amends Claims 1 and 15. Pursuant to 37 CFR § 1.111, Applicant hereby respectfully requests reconsideration of the application.

REJECTION OF CLAIMS UNDER 35 U.S.C. § 112, SECOND PARAGRAPH

The Office Action rejected Claims 1-28 as being indefinite for failing to particularly point out and distinctly claim the subject matter, which Applicant regards as the invention.

Applicant hereby amends Claims 1 and 15 in order to distinctly claim the subject matter, which Applicant regards as the invention.

REJECTION OF CLAIMS 1-3, 13-17, 27 AND 28 UNDER 35 U.S.C. § 103

The Office Action rejected Claims 1-3, 13-17, 27 and 28 as being unpatentable over Preston in view of Pentheroudakis. The Office Action states that Preston discloses viewing a data dictionary structure comprising a data dictionary retrieval component that includes terms and term definitions, a second component for determining all lexical nodes based on the terms, a third component that parses each term's definition, a fourth component that determines dependencies of each node based on the parse definitions and the terms associated with other lexical nodes, and a fifth component that generates a lexical graph based on the determined nodes and dependencies. The Office Action states that Preston remains silent as to the data dictionary including metadata terms and their definitions and that each lexical node of the data dictionary is associated with a metadata term and the term's definition and that this is by Pentheroudakis that includes a machine-readable data dictionary that includes metadata terms and their definitions. With regarding amended independent claims, Applicant respectfully traverses this rejection.


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Applicant submits that Preston is most likely retrieving a lexical database of the English language. Preston identifies semantically meaningful elements in inputted text (a sentence), which is different than the lexical database. Preston uses the lexical database in order to identify semantically meaningful elements in the inputted text and derive relationships between the identified semantically meaningful elements. Preston discloses a freeform source document as inputted and processed to locate semantically meaningful entities and to store corresponding content data and is not a method for viewing a data dictionary structure.

Applicant further submits that Preston is only finding semantically meaningful entities of a parsed document/sentence and graphically showing the semantically meaningful entities by pictorial elements as determined using a lexical database and grammar rules database. The lexical database includes a meaning for each word in the language.

Thus, applicant submits that Preston if anything is finding nodes (semantically meaningful entities) in an inputted sentence. If one was to equate the data dictionary with the lexical database (Applicant presents that they are quite different, see below), Preston is not finding nodes in the lexical database or the grammar rules database. If anything Preston is finding the nodes in an inputted sentences that is not part of the lexical database.

Applicant submits that Pentheroudakis also fails to teach a data dictionary. Pentheroudakis teaches a machine-readable dictionary (MRD), which is a machine-readable version of a standard dictionary; organized alphabetically. Thus, MRDs have no relation to a data dictionary. Data dictionaries as analyzed by the method described in the present invention are a data standardization specific to US government and US military related projects. Data dictionaries are semantic language model dictionaries like an MRD or Webster's. Descriptions for these data dictionaries are described in the following:

Department of Defense Directive (DoDD) 8320

Core Architecture Data Model (CADM) 2.0

DoD Architecture Framework (DoDAF)

The descriptions are unrelated to a lexical database or an MRD, which both relate to semantics. Semantics is the historical and psychological study and the classification of changes in the signification of words or forms viewed as factors in linguistic development. The descriptions above with regard to data dictionaries include many specific previously defined metadata terms and their definitions as well as instructions on how to define new metadata terms and their definitions for whatever project your data dictionary is being used for. The data dictionaries do not include semantic meaning of words in a language that are used to graph an inputted sentence.

Therefore, Applicant submits that Preston and Pentheroudakis fail to teach or suggest, alone or in combination, retrieving a data dictionary that includes metadata terms and definitions and determining lexical nodes of the data dictionary based on the terms, wherein each node is associated with a metadata term and the term's definition.

Therefore, Applicant submits that independent Claims 1 and 15 are allowable over the cited reference. Because Claims 2, 3, 13, 14, 16, 17, 27 and 28 depend from allowable independent claims

REJECTION OF CLAIMS 4-7, and 18-21 UNDER 35 U.S.C. § 103

The Office Action rejected Claims 4-7, and 18-21 as being unpatentable over Preston and Pentheroudakis in view of Can.

Applicant submits that Can fails to overcome the deficiencies noted above with regard to Preston and Pentheroudakis. Therefore, because Claims 4-7, and 18-21 depend from allowable independent claims, they are allowable for the same reasons that make their corresponding independent claims allowable.

REJECTION OF CLAIMS 8-12 AND 22-26 UNDER 35 U.S.C. § 103

The Office Action rejected Claims 8-12 and 22-26 as being unpatentable over Preston, Pentheroudakis and Can in view of Fayyad.


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Applicant submits that Fayyad fails to overcome the deficiencies noted above with regard to Preston, Pentheroudakis and Can. Therefore, because Claims 8-12 and 22-26 depend from allowable independent claims, they are allowable for the same reasons that make their corresponding independent claims allowable.

CONCLUSION

Applicant respectfully submits that all of the claims of the pending application are now in condition for allowance over the cited references. Accordingly, Applicant respectfully requests withdrawal of the rejections, allowance, and early passage through issuance. If the examiner has any questions, the examiner is invited to contact the Applicant's agent listed below.

Respectfully submitted,

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MAIL CERTIFICATE

I hereby certify that this communication is being deposited with the United States Postal Service via first class mail under 37 C.F.R. § 1.08 on the date indicated below addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of Deposit


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